

MINUTES

FIN A-1165 -- SEMIANNUAL REVIEW

May 10, 1985  
Silver Spring, MD

The semiannual review meeting for FIN A-1165 was held at the NRC offices in Silver Spring, MD, on May 10, 1985. Seth Coplan, Pauline Brooks, John Greeves and Atef Elzeftawy of NRC and Regina Hunter of Sandia attended. An agenda is attached as enclosure 1. Regina Hunter presented results and plans for Tasks 1, 2, and 3. Viewgraphs are attached as enclosure 2. Discussions of each task followed the presentations.

Task 1. Integration (assisting the NRC in developing an overall licensing assessment methodology). The objective of this Task is to assist NRC in evaluating the completeness and consistency of the licensing assessment methodology. Each goal of the Task was discussed in detail by R. L. Hunter. There are four goals:

1. Determine what performance-assessment analyses are required by the applicable regulations.
2. Determine what components of an LAM are necessary to assess compliance with these regulations.
3. Examine NRC-funded work to see whether the components exist or are under development.
4. Examine interfaces between the components.

The expected products of this Task are, first, identification of high-priority areas of development, and second, an LAM procedural guide. In the discussion that followed, it was agreed that LAM procedural guide will contain summaries of documents that describes the various performance assessment tools being developed by other NRC contracts. The guide will clearly describe what information is included in the summaries relative to the LAM and what contribution each document makes to the LAM. It was agreed that SNL will examine the NRC Modeling Strategy Document and the LAM-GTP as soon as possible.

Task 2. Review (review of DOE and other national and international waste-management documents). The primary area of work by Sandia during FY85 under this task has been review of DOE's EA's. In previous FY's, Sandia has reviewed codes, performance-assessment plans, data reports, and field test techniques and results, among other documents. Requests for future reviews should come through A. Elzeftawy. During the discussion that followed the presentation, it

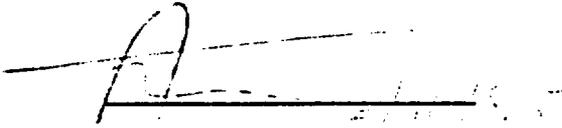
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was agreed that SNL personnel are encouraged to attend public meetings organized by NRC/DOE as directed by the NRC project manager.

- Task 3. Probability (developing techniques for determining the probabilities of geologic events and processes). The EPA standard requires that performance assessments include an evaluation of the probabilities of events and processes that affect waste isolation. There is currently no consensus about appropriate methods for determining such probabilities. This task is designed to assess the state-of-the-art of probabilistic techniques in several fields, using an expert panel, during FY85. In subsequent years, any necessary developmental work will begin. The first meeting of the expert panel is expected to take place during the first week in June. During the discussion following the presentation, it was decided that SNL would go forward as planned.

Signature:  
Date:

  
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Dr. Regina L. Hunter  
Sandia National Laboratory

  
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Dr. Atef Elzeftawy  
U. S. Nuclear Regulatory  
Commission

Enclosures

Enclosure 1

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AGENDA

FIN A-1165 .. SEMIANNUAL REVIEW

May 10, 1985  
Willste Building  
Room 106/110  
Silver Spring, MD.

- 9:00 a.m. Task 1. Integration (Assisting the NRC in developing an overall Licensing assessment methodology)  
Presentation by Dr. R. L. Hunter (45 minutes)  
Discussion (60 minutes)
- 10:45 a.m. Break
- 11:00 a.m. Task 2. Review (Review of DOE and other national and international waste-management documents)  
Presentation by Dr. R. L. Hunter (30 minutes)  
Discussion (30 minutes)
- 12:00 noon Break for Lunch
- 1:00 p.m. Task 3. Probability (Developing techniques for determining the probabilities of geologic events and processes)  
Presentation by Dr. R. L. Hunter (45 minutes)  
Discussion (60 minutes)
- 3:00 p.m. Prepare meeting summary Dr. Elzeftawy/Dr. Hunter (60 minutes includes 5 minute break)
- 4:00 p.m. Adjourn